



Work Instructions

DIRECTIVE NO.: 540-WI-8072.1.3

EFFECTIVE DATE: 02/22/2000

EXPIRATION DATE: N/A

APPROVED BY Signature: original signed by

NAME: Stanley Y. Chan

TITLE: RECERT Manager

Responsible Office: Code 540/RECERT

Title: Certification of New or Modified Ground-Based Pressure Vessels and Pressurized Systems (PV/S)

P1. PURPOSE

This Work Instruction describes the step-by-step process for the initial Certification of Ground-Based Pressure Vessels and Pressurized Systems by the RECERT Manager.

P2. SCOPE

This Work Instruction is applicable to PV/S Certification activities at Greenbelt, MD and at the Wallops Flight Facility, VA.

P3. DEFINITIONS

Definitions contained within GMI 1710.4 are applicable hereto.

P4. RECORDS, REPORTS AND FORMS

The following records shall be maintained by the RECERT Manager in the RECERT Master Files in accordance with GPG 1440.7 for the duration delineated for each item.

P4.1 PV/S Certification and Recertification Records as defined in GMI 1710.4. (Duration: life of the equipment).

P5. SAFETY PRECAUTIONS AND WARNING NOTES

Safety, caution and warning notes unique to PV/S certification shall be included in applicable certification procedures.

P6. REFERENCES

6.1 GMI 1710.4, Certification and Recertification of Ground-Based Pressure Vessels and Pressurized Systems.

6.2 540-PG-8072.1.1, Certification and Recertification of Lifting Devices and Equipment and Ground-Based Pressure Vessels and Pressurized Systems (Recertification Program)

P7. TOOLS, EQUIPMENT, AND MATERIALS

Applicable PV/S certification procedures shall include any special tools, equipment, or materials necessary for certification of PV/S.

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P8. CANCELLATION

None

P9. INSTRUCTIONS

The following STEPS are sequential unless noted otherwise.

ACTION*

- (E) A. Develop a RECERT System Certification Plan (RSCP) to include at least the following:
 - 1. Engineering verification that GMI 1710.4-required documentation is complete.
 - 2. Assignment of next sequential RECERT System identification number ("S-xx").
 - 3. Definition of PV/S System Boundaries, including identification of System components.
 - 4. Type and extent of proposed System Certification tests, inspections, and NDT, including acceptance criteria.
 - 5. Proposed System Recertification ISI test, inspection, and NDT methods and intervals, including acceptance criteria.
- (E) B. Obtain RECERT Manager's approval of proposed RSCP.
- (CM) C. Enter System data into CM System.
- (I) D. Perform System Certification tests, inspections, and NDT.
 - 1. If acceptable, proceed to STEP E.
 - 2. If unacceptable, proceed no further.
 - a. Engineering to initiate NCR.
 - b. Proceed as directed by RECERT Manager
- (I) E. Apply Certification Tag(s), and release for service or return to Owner/User.
 - 1. System/Component ID.
 - 2. Date tested or inspected.
 - 3. Due date for Recertification expressed as the last day of the calendar quarter and year (e.g., 3Q/00 = due by September 30, 2000).
- (E) F. Transmit Certification letter with RECERT Manager's approval to Owner/User and file RECERT System Review and Certification Test Reports in RECERT Master Files.
- (CM) G. Update CM System to include System ISI baseline dates and intervals.

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· LEGEND: (E) – Engineering; (I) – Inspection; (CM) – Configuration Management

P10. FLOW DIAGRAM

None

CHANGE HISTORY LOG

Revision	Effective Date	Description of Changes
Baseline	02/22/2000	Initial Issue